

Message

**From:** Brown, Chad (ECY) [CHBR461@ECY.WA.GOV]  
**Sent:** 4/9/2014 7:05:57 PM  
**To:** Szelag, Matthew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f1e48230d96943f8acb72810e32ce8d6-Szelag, Matthew]  
**Subject:** FW: Target List of 13 chemicals for tribal toxics study

Late list of chems...

These are some results from our preliminary work to identify chemicals that have been detected and/or where limits have been assigned,

Below is a combined list of chemicals that meet one of the follow criteria for inclusion on a list of chemicals that are most likely to drive new treatment requirements:

1. Already have a limit required in at least one permit
2. Have been identified as possibly triggering a new limit in a permit based on PP scan data review. (not all PP scans concentrations have been reassessed for Reasonable Potential Determination. So a few other chemicals could be added due to this reason.)
3. Is a chemical that is on the top 10 most detected chemicals. This is the list that I sent previously (Nickel was removed because current or potential limits would be based on Aquatic Life Criteria – as is the case with most metals)

It is important to note that depending on the final policy decisions, some of these chemical criteria may become less stringent due to many of the factors that we have already discussed (i.e. updated toxicity factors). Therefore, increased treatment beyond what is currently in place to meet the NTR criteria would not be necessary in those cases. We won't have the direction (up or down) of the criteria until the final policy decisions are made.

Please feel free to call or email if you have any questions.

Chemicals
1,4 Dichlorobenzene
3,3'-Dichlorobenzidine
4,4'-DDE
4,4'-DDT
Acrylonitrile
Antimony
Arsenic
Benzene
Benzo(a)Anthracene
Benzo(a)pyrene
Benzo(b)Fluoranthene
Benzo(k)fluoranthene
Bis(2-Chloroethyl)Ether
Bis(2-ethylhexyl) Phthalate
Chrysene
Cyanide
Dibenzo (a,h) Anthracene
Dibenzo(a,h)anthracene

Dichlorobromomethane
Diethyl phthalate
Di-n-Butyl Phthalate
Ethylbenzene
Mercury
Methylene chloride
N-Nitrosodi-n-Propylamine
PCBs
Pentachlorophenol
Tetrachloroethylene
Thallium
Toluene
Vinyl chloride

---

**From:** Char Naylor [<mailto:char.naylor@puyalluptribe.com>]  
**Sent:** Wednesday, March 19, 2014 10:07 AM  
**To:** Brown, Chad (ECY); Serdar, Dave (ECY); Gildersleeve, Melissa (ECY); Niemi, Cheryl (ECY)  
**Cc:** Braley, Susan (ECY)  
**Subject:** RE: Target List of 13 chemicals for tribal toxics study

Thanks so much Chad....

---

**From:** Brown, Chad (ECY) [<mailto:CHBR461@ECY.WA.GOV>]  
**Sent:** Tuesday, March 18, 2014 1:26 PM  
**To:** Serdar, Dave (ECY); Gildersleeve, Melissa (ECY); Niemi, Cheryl (ECY)  
**Cc:** Char Naylor; Braley, Susan (ECY)  
**Subject:** FW: Target List of 13 chemicals for tribal toxics study  
**Importance:** High

Forwarding to Susan (email went to Susi Bragg)

Dave, below are the chemicals that we identified from the permits that we looked at. Would you add any based on your larger review of PARIS permit data?

Antimony  
Bis(2-ethylhexyl) phthalate  
Cyanide  
1,4 Dichlorobenzene  
Diethyl phthalate  
Methylene chloride  
Nickel  
Tetrachloroethylene  
Toluene

---

**From:** Char Naylor [<mailto:char.naylor@puyalluptribe.com>]  
**Sent:** Tuesday, March 18, 2014 10:29 AM  
**To:** Gildersleeve, Melissa (ECY); Niemi, Cheryl (ECY); Brown, Chad (ECY)  
**Cc:** Bragg, Susan (ECY)  
**Subject:** Target List of 13 chemicals for tribal toxics study  
**Importance:** High

In addition to those 4 chemicals listed by HDR in their treatment analysis (PCBs, mercury, arsenic, and benzo(a)pyrene, do you guys have suggestions for the other 9 target chemicals? The project is moving forward, so please let us know as soon as you can if you have thoughts and as always, thank you.

Char Naylor  
Puyallup Tribe of Indians  
Water Quality Manager  
Phone: 253-680-5520  
Cell: 253-405-7815  
E-Mail: [char.naylor@puyalluptribe.com](mailto:char.naylor@puyalluptribe.com)

